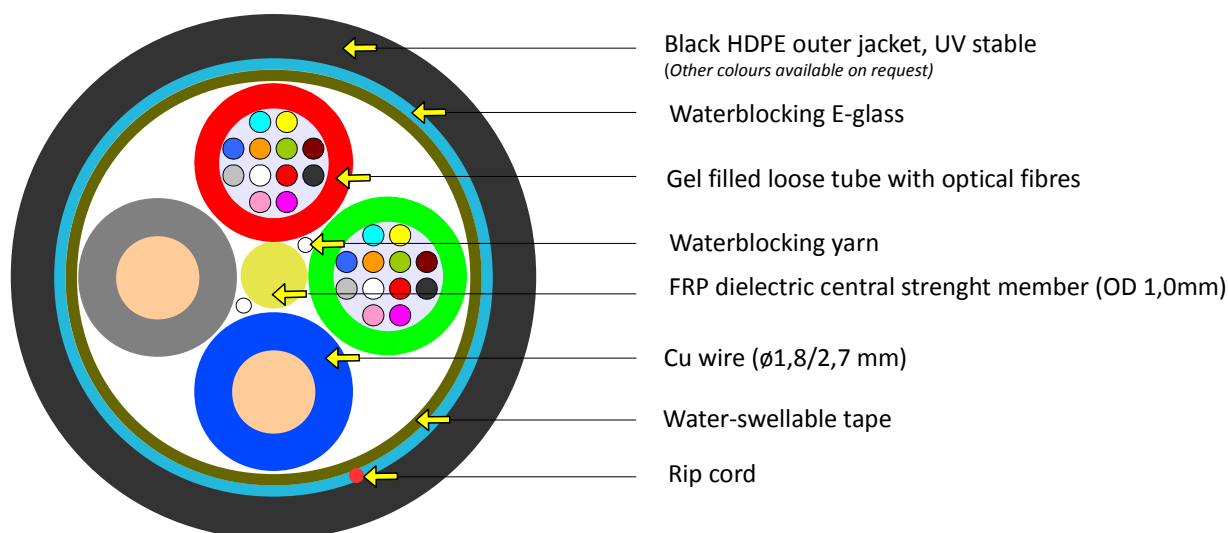


A-DSQ(ZN)B2Y 1×2,5+3×Cu (12F) – 3×2,5+1×Cu (36F)

This cable is suitable for outdoor use.



The picture represents a cable with 24 optical fibres and 2 Cu wire.

Order example

2100 m A-DSQ(ZN)2Y 1×2,5+3×1,8Cu 12E9/125G.657.A1 jacket colour BLK, cable specification Z131

Fibre colour coding

According to IEC 60304

1 Red	7 Brown
2 Green	8 Violet
3 Blue	9 Turquoise
4 Yellow	10 Black
5 White	11 Orange
6 Grey	12 Pink

Other fibre colour sequences available on request

Wire colour coding

1 Blue
2 Grey
3 White

Fibre Type

Single mode fiber 9/125
Multi mode fiber 50/125
Multi mode fiber 62,5/125
See the Fibre Specification sheet

Tube colour coding

Variants

1 Red	1 tube + 3 Cu wire 12F
2 Green	2 tube + 2 Cu wire 24F
3 White	3 tube + 1 Cu wire 36F

in the case of lower number of fibres some tubes are replaced by uncoloured fillers

Other tubes colour sequences available on request

Sheat Marking

Print colour White
Print method INK-Jet or Hot-foil
Print legend manufacturer's name, job number, type of cable, length marking @ 1 m intervals

Other print legends available on request

Packaging

Standard put-up length

Drum size

Solid wooden drum	2100 m ± 5 %, other lengths on request	KTS 1000
Solid wooden drum	4100 m ± 5 %, other lengths on request	KTS 1250

A-DSQ(ZN)B2Y 1×2,5+3×Cu (12F) – 3×2,5+1×Cu (36F)

Mechanical and Environmental properties

Test		Value	Unit	Method	Comment
Cable outer diameter		10,1 ± 0,4	mm	EN 60811-1-1	- calculated
Cable weight	12F + 3Cu	138	kg/km		
	24F + 2Cu	118			
	36F + 1Cu	97			
Outer jacket thickness		1,5	mm		
Loose tube diameter		2,5	mm		
Max. tensile strength		2000	N	EN 60974-1-2-E1	- max. fiber strain 0,6% - long term 200N - no fiber strain for long term load - max. attenuation variation ≤ 0,1 dB at 1550 nm - no increase attenuation after the test
Crush resistance test		2000	N	EN 60974-1-2-E3	- plate dimensions 100×100 mm - max. attenuation variation ≤ 0,1 dB at 1550 nm - duration of loading 1 min. - no increase attenuation after the test
Impact resistance test		3	Number of impact	EN 60974-1-2-E4	- impact energy 15 Nm, slightly damaged jacket - impact energy 20 Nm, no jacket cracking - max. attenuation variation ≤ 0,1 dB at 1550 nm - no increase attenuation after the test
Min. bend radius		15	× OD	EN 60974-1-2-E11a	- max. attenuation variation ≤ 0,1 dB at 1550 nm - no increase attenuation after the test
Moisture resistance test		pass		EN 60794-1-22-F5	- water height 1 m - sample length 3 m - no leakage on free sample end - without outer jacket - duration of test 24 h
Temperature range	Installation Operation Storage	-15 to +50°C -40 to +70°C -40 to +70°C		EN 60794-1-22-F1	- max. attenuation variation ≤ 0,15 dB at 1550 nm - Dwell time acc. to EN 60794-1-22-F1. - When installing or assembly under temperature bellow 5°C cable has to be stock in temp of 20°C at least 24h before installation. - no increase attenuation after the test

Cable life time - minimum 30 years